

Order of Operations (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(10 \div 2 - 5) \times 9 + 8 + 7$$

$$6 \times 4 + 3 \div (9 - 8 + 2)$$

$$(9 \times 3 + 8 - 4) \div (7 - 6)$$

$$9 - 2 + 6 \times 4 \div (5 - 3)$$

$$(10 \times 8) \div 4 + 7 - 5 + 3$$

$$(10 - 5 + 6) \div (2 \times 4 - 7)$$

$$5 - 6 \div ((2 \times 7 + 10) \div 4)$$

$$4 \times 6 \div (5 - 3 + 9 - 8)$$

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$$\begin{aligned} & (10 \div 2 - 5) \times 9 + 8 + 7 \\ & = (5 - 5) \times 9 + 8 + 7 \\ & = 0 \times 9 + 8 + 7 \\ & = 0 + 8 + 7 \\ & = 8 + 7 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & 6 \times 4 + 3 \div (9 - 8 + 2) \\ & = 6 \times 4 + 3 \div (1 + 2) \\ & = 6 \times 4 + 3 \div 3 \\ & = 24 + 3 \div 3 \\ & = 24 + 1 \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (9 \times 3 + 8 - 4) \div (7 - 6) \\ & = (27 + 8 - 4) \div (7 - 6) \\ & = (35 - 4) \div (7 - 6) \\ & = 31 \div (7 - 6) \\ & = 31 \div 1 \\ & = 31 \end{aligned}$$

$$\begin{aligned} & 9 - 2 + 6 \times 4 \div (5 - 3) \\ & = 9 - 2 + 6 \times 4 \div 2 \\ & = 9 - 2 + 24 \div 2 \\ & = 9 - 2 + 12 \\ & = 7 + 12 \\ & = 19 \end{aligned}$$

$$\begin{aligned} & (10 \times 8) \div 4 + 7 - 5 + 3 \\ & = 80 \div 4 + 7 - 5 + 3 \\ & = 20 + 7 - 5 + 3 \\ & = 27 - 5 + 3 \\ & = 22 + 3 \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (10 - 5 + 6) \div (2 \times 4 - 7) \\ & = (5 + 6) \div (2 \times 4 - 7) \\ & = 11 \div (2 \times 4 - 7) \\ & = 11 \div (8 - 7) \\ & = 11 \div 1 \\ & = 11 \end{aligned}$$

$$\begin{aligned} & 5 - 6 \div ((2 \times 7 + 10) \div 4) \\ & = 5 - 6 \div ((14 + 10) \div 4) \\ & = 5 - 6 \div (24 \div 4) \\ & = 5 - 6 \div 6 \\ & = 5 - 1 \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 4 \times 6 \div (5 - 3 + 9 - 8) \\ & = 4 \times 6 \div (2 + 9 - 8) \\ & = 4 \times 6 \div (11 - 8) \\ & = 4 \times 6 \div 3 \\ & = 24 \div 3 \\ & = 8 \end{aligned}$$